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CLMPTO 08/11/04 JW

Amend Claims 3-17 and 20-26

1. (Original) A system for providing data communication between connected modules, wherein said modules are adapted to transmit to and receive from one another a data package comprising in a layered structure a physical layer comprising a first and a second segment for encapsulating other layers in said data package, a data link layer comprising a data link layer control section for carrying data link layer control data and a data section for carrying data for said other layers, and a transport layer defining a message in said data section, which message is configured according to a transport layer protocol and comprises a payload and a first header field for format of said payload, a second header field for start of said payload in said message, a third header field for length of said message, a fourth header field for version of said transport layer protocol, and a fifth header field for message group identity establishing receiving receive format of said payload.

2. (Original) A system according to claim 1, wherein said modules comprise a mobile communication device such as a cell, mobile or satellite telephone, a personal digital assistant, or a peripheral thereof.

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3. (Currently Amended) A system according to ~~any of~~
~~claims 1 to 2~~ claim 1, wherein said system comprises one
or more objects communicating said message with one
another, and a data link layer generator and physical
layer generator adapted to encapsulate said message
according to a data link layer protocol and to a
physical layer protocol, respectively.

4. (Currently Amended) A system according to ~~any of~~
~~claims 1 to 3~~ claim 1, wherein said transport layer
further comprises a sixth header field for a message
identity for uniquely identifying said payload.

5. (Currently Amended) A system according to ~~any of~~
~~claims 1 to 4~~ claim 1, wherein said transport layer
comprises a seventh header field for a connection
number for identifying a communicating object in said
network.

6. (Currently Amended) A system according to ~~any of~~
~~claims 1 to 5~~ claim 1, wherein said transport layer
comprises an eighth header field for a transaction
identity for sequencing said message relative to other
messages.

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7. (Currently Amended) A system according to any of claims 1 to claim 1, wherein said data link control data comprises a checksum field following said message.

8. (Currently Amended) A system according to any of claims 1 to claim 1, wherein said first segment of said physical layer comprises a media field for defining media, across which the data package is transferred.

9. (Currently Amended) A system according to any of claims 1 to claim 1, wherein said first segment further comprises a synchronization field for synchronizing the receiving module with the transmitting module.

10. (Currently Amended) A system according to any of claims 1 to claim 1, wherein said second segment of the physical layer comprises an index byte for providing the receiving module with information regarding segmentation or partitioning of data contained in a message.

11. (Currently Amended) A system according to any of claims 1 to claim 1, wherein said second segment further comprises a sequence and acknowledge field for providing a receiving module with information whether

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said data package is an acknowledgement message or an ordinary message.

12. (Currently Amended) A system according to any of claims 1 to 10 claim 1, wherein said second segment further comprises a sequence and an acknowledgement field is adapted to inform whether an error was identified in the received data package, when said data package is an acknowledgement message.

13. (Currently Amended) A system according to any of claims 11 or 12 claim 11, wherein said sequence and acknowledgement field is further adapted to inform a receiving module that a sequence number in said received data package should be reset.

14. (Currently Amended) A system according to any of claims 11 to 12 claim 11, wherein said sequence and acknowledgement field is adapted to recognize acknowledgement messages and detect missing data packages.

15. (Currently Amended) A system according to any of claims 1 to 14 claim 1, wherein said second segment further comprises a bit field for ensuring that all data packages sent over said port connector contain an even amount of bytes.

16. (Currently Amended) A system according to any of claims 1 to 15, wherein said second segment further comprises a parity field for storing parity calculated on the basis of the data package excluding the parity field.

17. (Currently Amended) A system according to any of claims 1 to 15, wherein said transport layer comprises a ninth header field for a future extension containing information required by a future transport layer protocol.

18. (Original) A data package for communicating between modules, wherein said data package comprising in a layered structure physical layer data comprising a first and a second segment for encapsulating other layers in said data package, a data link layer comprising a data link layer control section for carrying data link layer control data and a data section for carrying data for said other layers, and a transport layer defining a message in said data section, which message is configured according to a transport layer protocol and comprises a payload and a first header field for format of said payload, a second header field for start of said payload in said message, a third header field for length of said message, a fourth header field for version of said transport layer protocol, and a fifth header field for message group identity establishing receiving resource format of said payload.

19. (Original) A data package according to claim 10, said transport layer further comprising a sixth header field for a message identity for uniquely identifying said payload.

20. (Currently Amended) A data package according to ~~claim 10 to claim 18~~, wherein said transport layer comprises a seventh header field for a connection number for identifying a communicating object in said module.

21. (Currently Amended) A data package according to ~~claim 10 to claim 18~~, wherein said transport layer comprises an eighth header field for a transaction identity for sequencing said message relative to other messages.

22. (Currently Amended) A data package according to ~~claim 10 to claim 18~~, wherein said transport layer comprises a ninth header field for a future extension comprising information required by a future transport layer protocol.

23. (Currently Amended) A receiver unit adapted to receive a data package according to ~~any of claims 10 to 22~~ claim 10.

29. (Currently Amended) A transmitter unit adapted to transmit a data package according to my-of-claim 13 to station 19.

(Currently Amended) 2923. A method for establishing data communication between modules, wherein said modules each communicate a data package comprising in a layered structure a physical layer comprising a first and a second segment for encapsulating other layers in said data package and a data link layer comprising a data link layer control section for carrying data link layer control data and a data section for carrying data for said other layers, and wherein said method comprising: providing in said data package in a transport layer a message in said data section, which message is configured according to a transport layer protocol and comprises a payload and a first header field for format of said payload, a second header field for start of said payload in said message, a third header field for length of said message, a fourth header field for version of said transport layer protocol, and a fifth header field for message group identity establishing receiving resource format of said payload.

(Currently Amended) 2926. A computer program comprising code adapted to perform the following steps when said program is run in a data processor adapted to establish data communication between modules, wherein said

plurality of modules each communicate a data package comprising in a layered structure having a physical layer comprising a first and a second segment for encapsulating other layers in said data package and a data link layer comprising a data link layer control section for carrying data link layer control data and a data section for carrying data for said other layers, and wherein said program providing in a transport layer a message in said data section, which message is configured according to a transport layer protocol and comprises a payload and a first header field for format of said payload, a second header field for start of said payload in said message, a third header field for length of said message, a fourth header field for version of said transport layer protocol, and a fifth header field for message group identity establishing receiving resource format of said payload.